

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL 03/00458

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F01L9/02 F01L13/00 F01L1/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 569 088 A (PHILIPS ELECTRONICS NV) 10 November 1993 (1993-11-10) column 2, line 47,48 column 3, line 28 -column 6, line 30 figures	1
X	DE 31 39 399 A (SULZER AG) 14 April 1983 (1983-04-14) cited in the application the whole document	7,9
A	US 4 061 115 A (PREDHOME JR WILFRED F) 6 December 1977 (1977-12-06) the whole document	1
A	-----	2,4

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

4 December 2003

Date of mailing of the international search report

12/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Klinger, T

INTERNATIONAL SEARCH REPORT

Internatc
PCT/NL 03/00458

cation No

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0569088	A	10-11-1993	US EP JP	5259345 A 0569088 A1 7269318 A	09-11-1993 10-11-1993 17-10-1995
DE 3139399	A	14-04-1983	DE DK JP	3139399 A1 334082 A 58070013 A	14-04-1983 31-03-1983 26-04-1983
US 4061115	A	06-12-1977	US	RE30188 E	15-01-1980